

ABSTRACT OF THE DISCLOSURE

In a system employing an object-oriented operating system, the invention improves the performance in execution of the overall system while flexibility of the system is maintained. A plurality of objects communicating messages among them are each constituted by any of a composite object made up of one or more objects and a standard object that is an object other than a composite object. An identifier is attached to each of the standard object and the component objects so that each standard object and each component object can be referenced from any object. For the composite object, one composite object is executed by one execution thread, and the execution thread is shared by each component object of the composite object.